



1/31

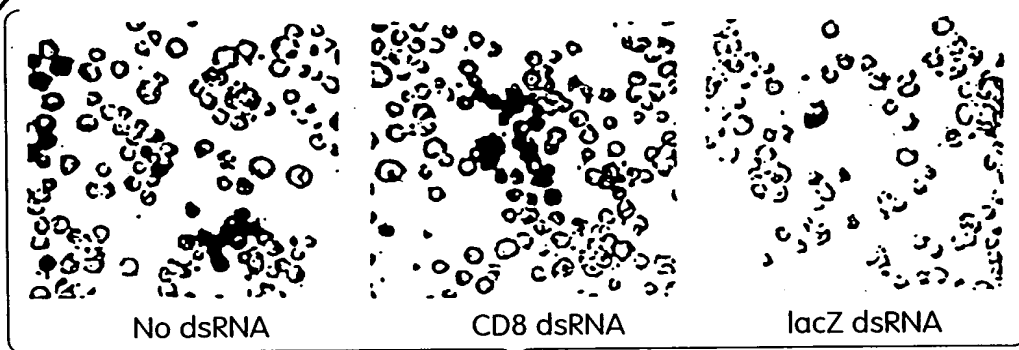


Fig. 1A

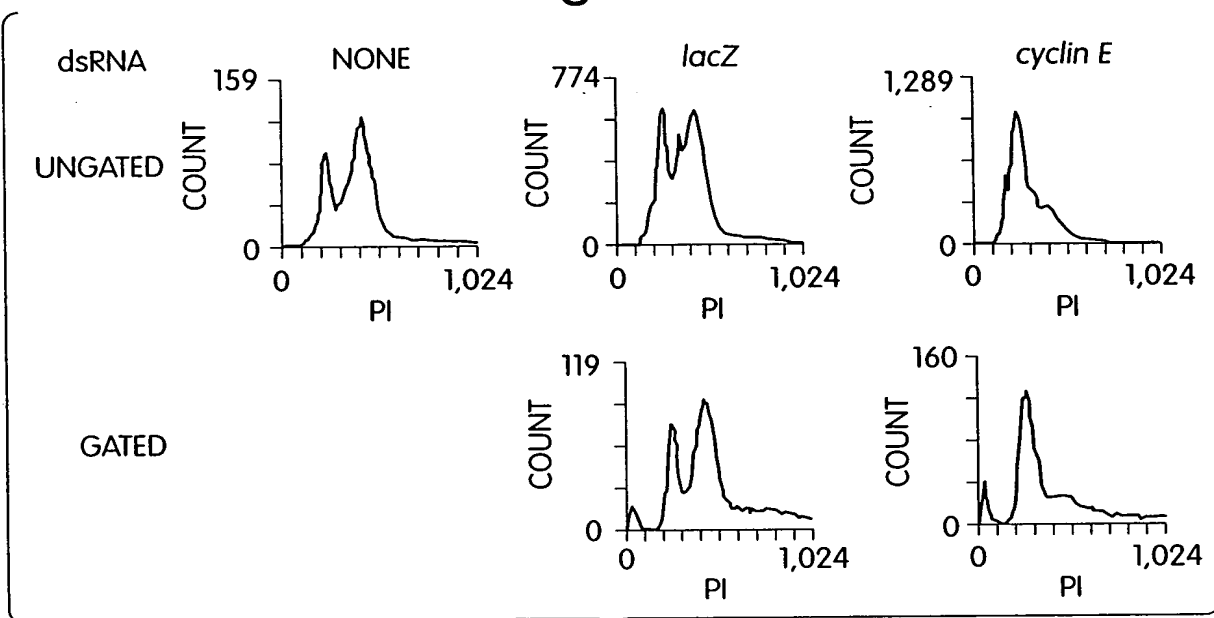


Fig. 1B

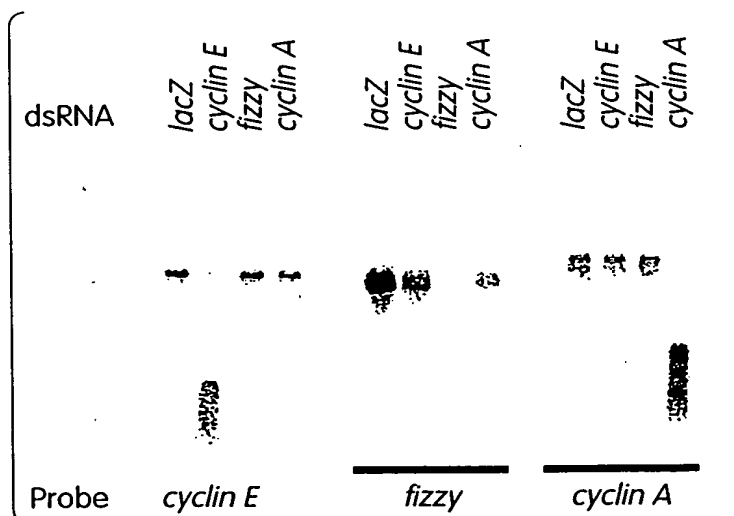


Fig. 1C

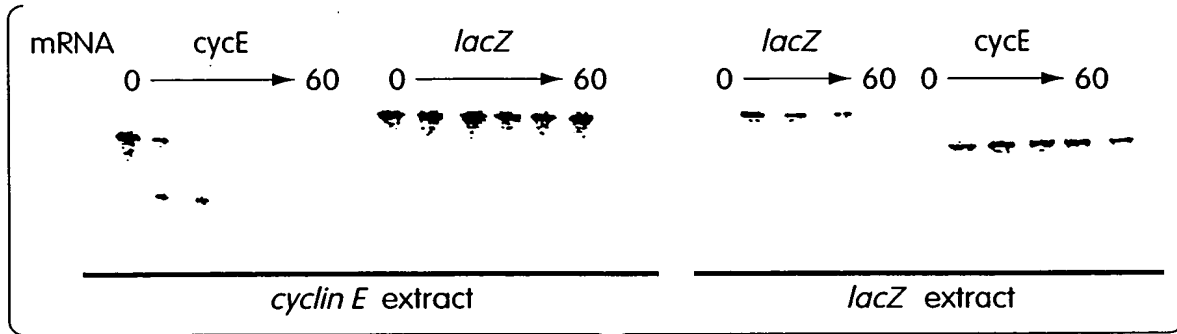


Fig. 2A

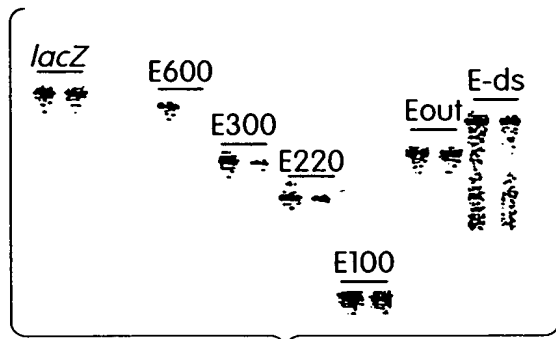


Fig. 2B

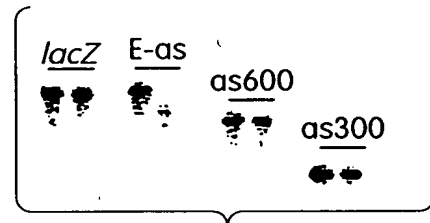


Fig. 2C

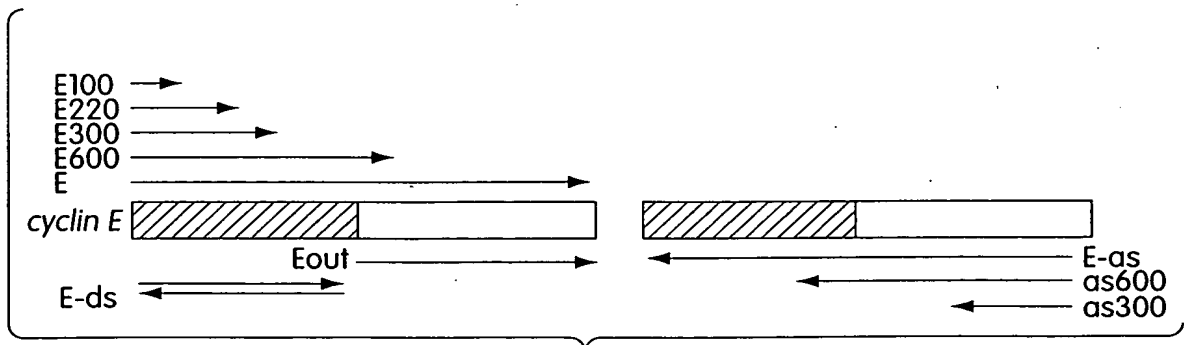


Fig. 2D

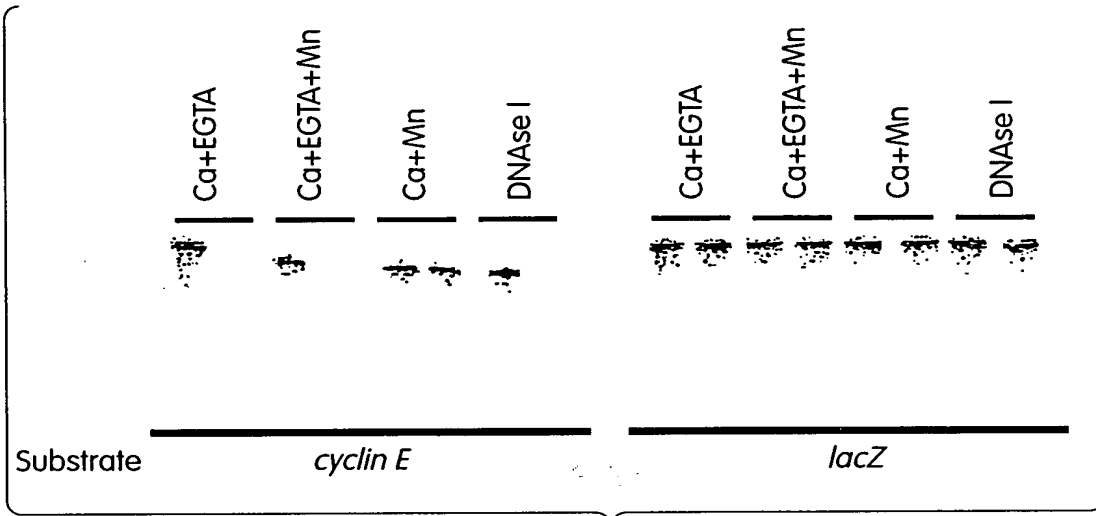


Fig. 3

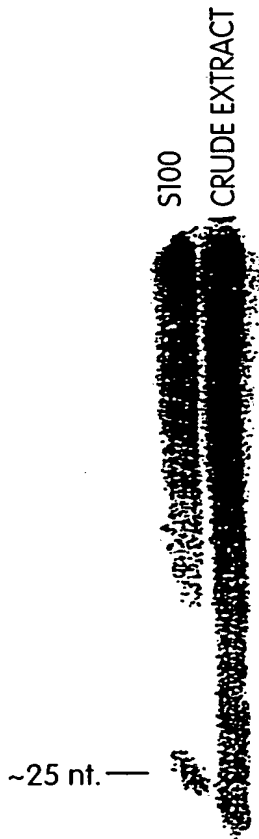


Fig. 4A

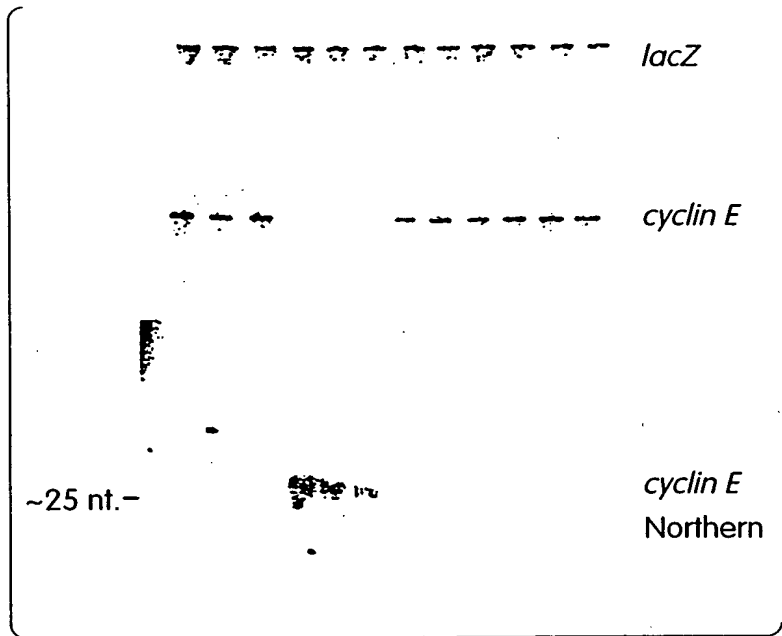


Fig. 4B

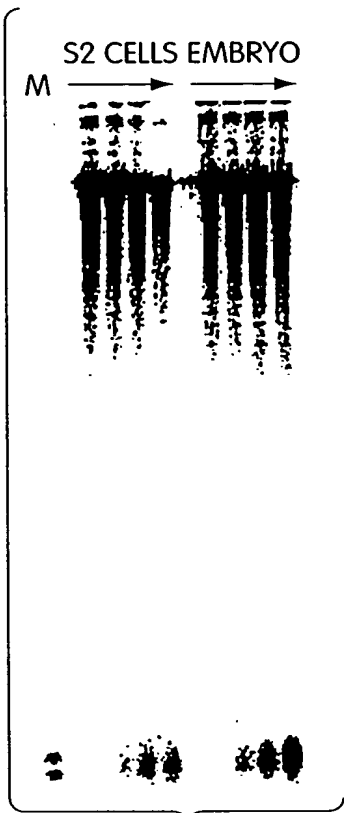


Fig. 5A

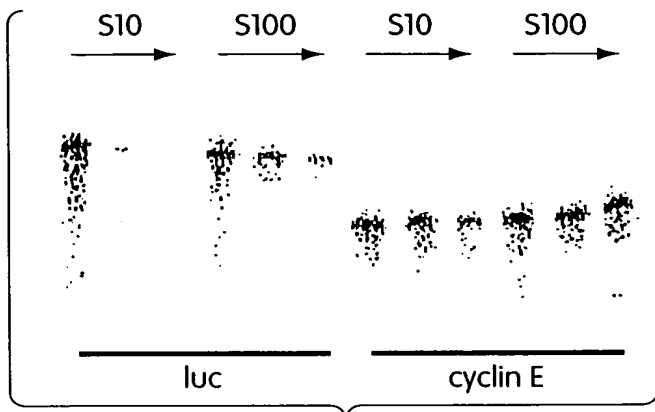


Fig. 5B



Fig. 5C

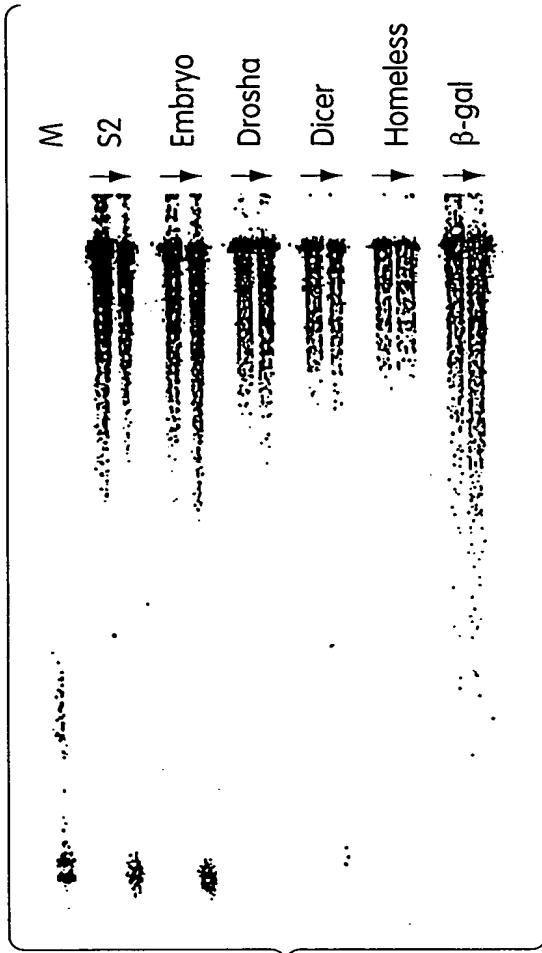


Fig. 6A

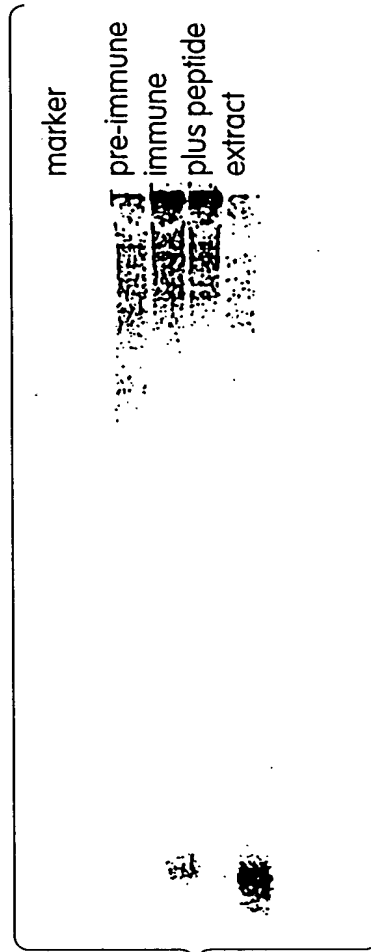


Fig. 6C

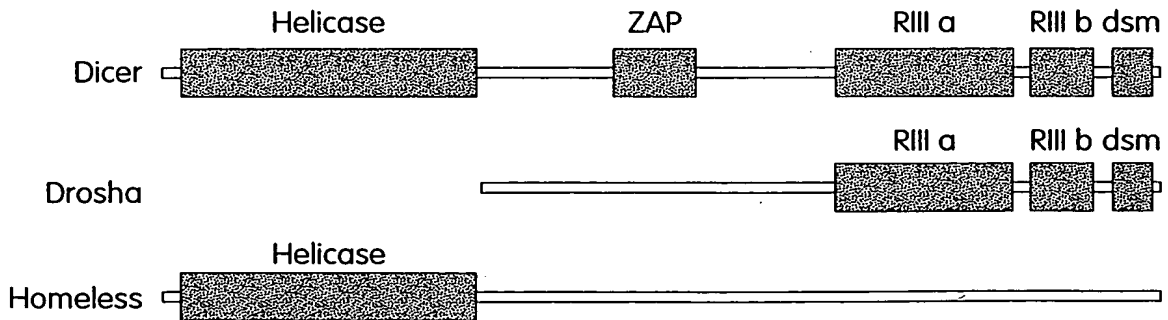


Fig. 6B

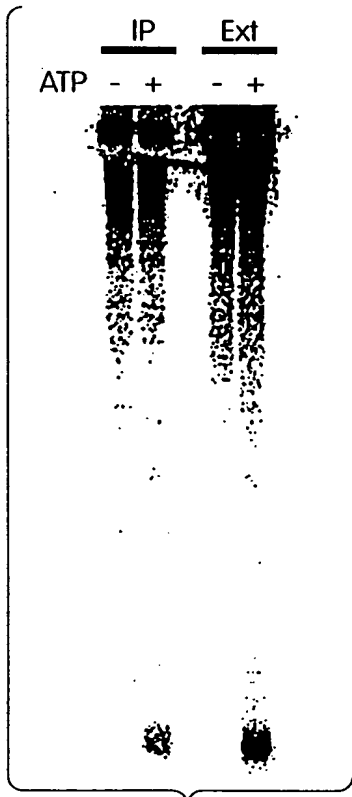


Fig. 6D

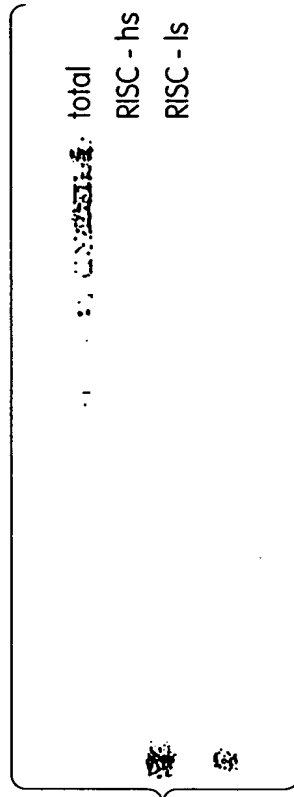


Fig. 6E

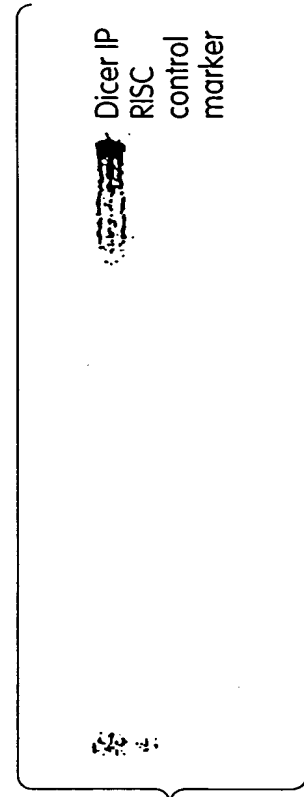


Fig. 6F



8/31

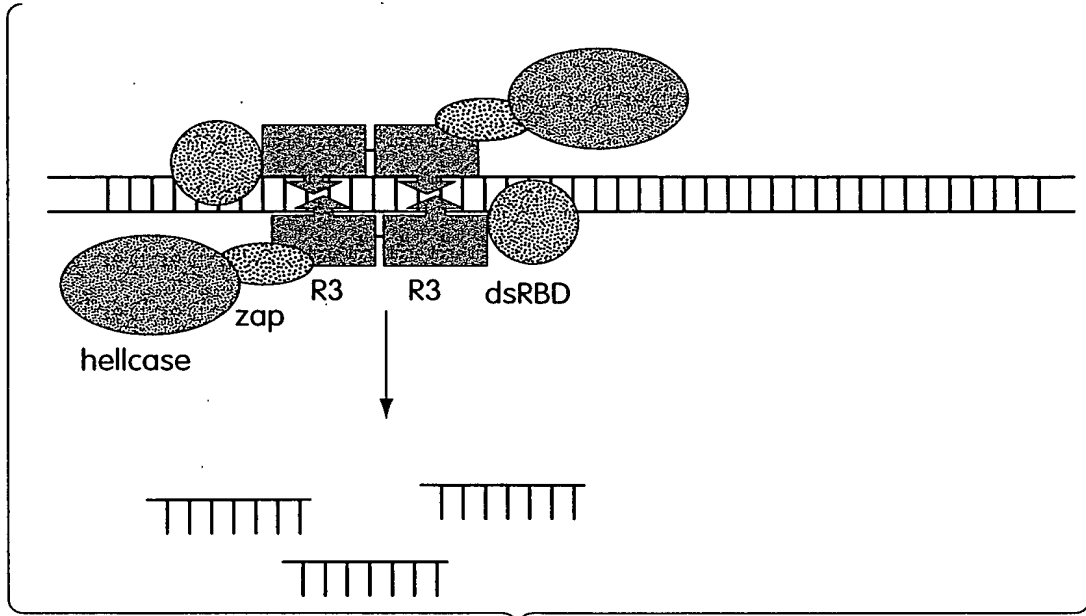


Fig. 8A

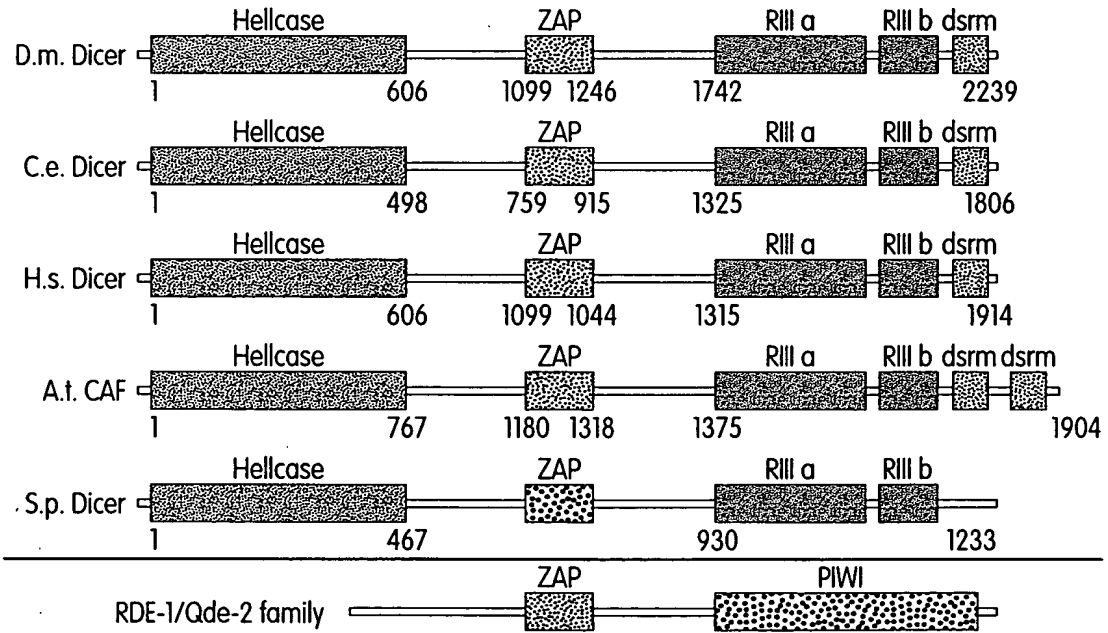


Fig. 8B



7/31

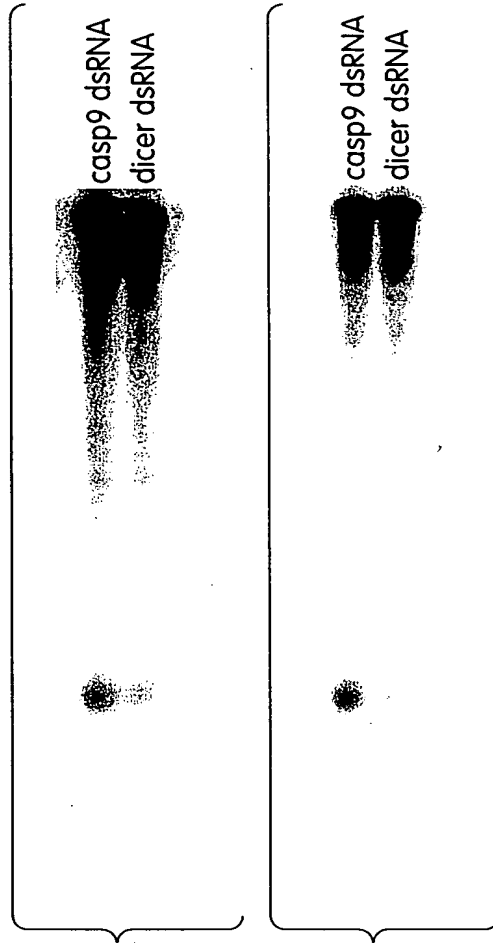


Fig. 7A Fig. 7B

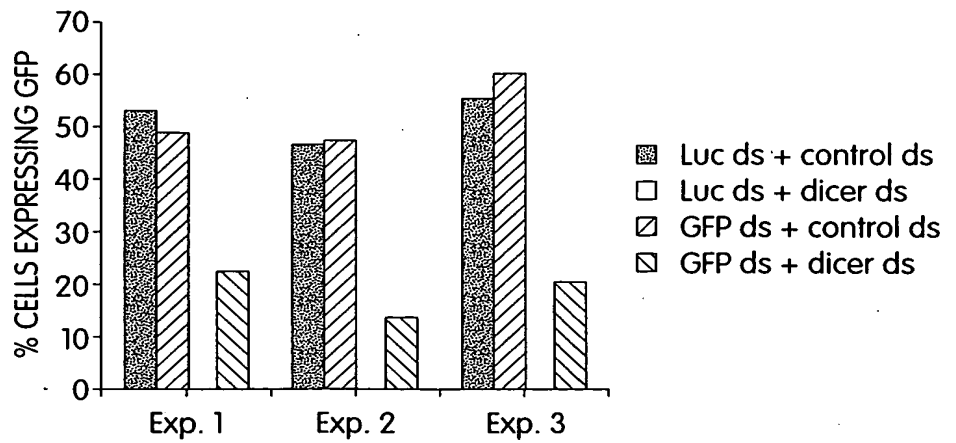


Fig. 7C





9/31

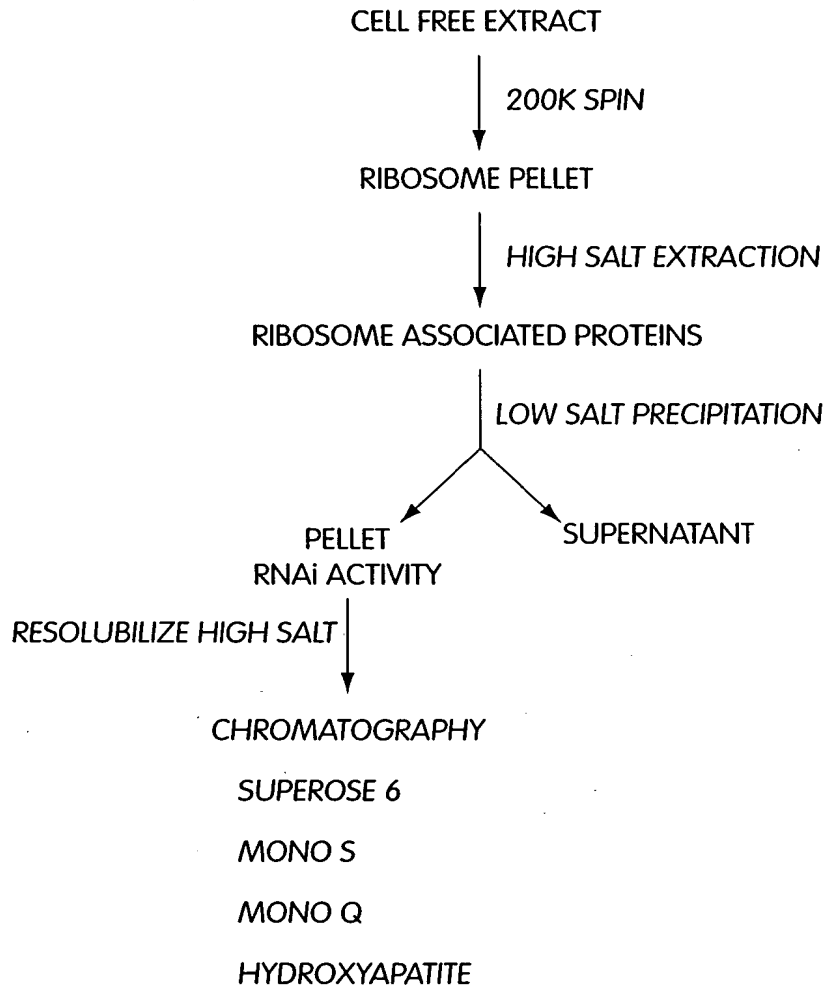


Fig. 9



10/31

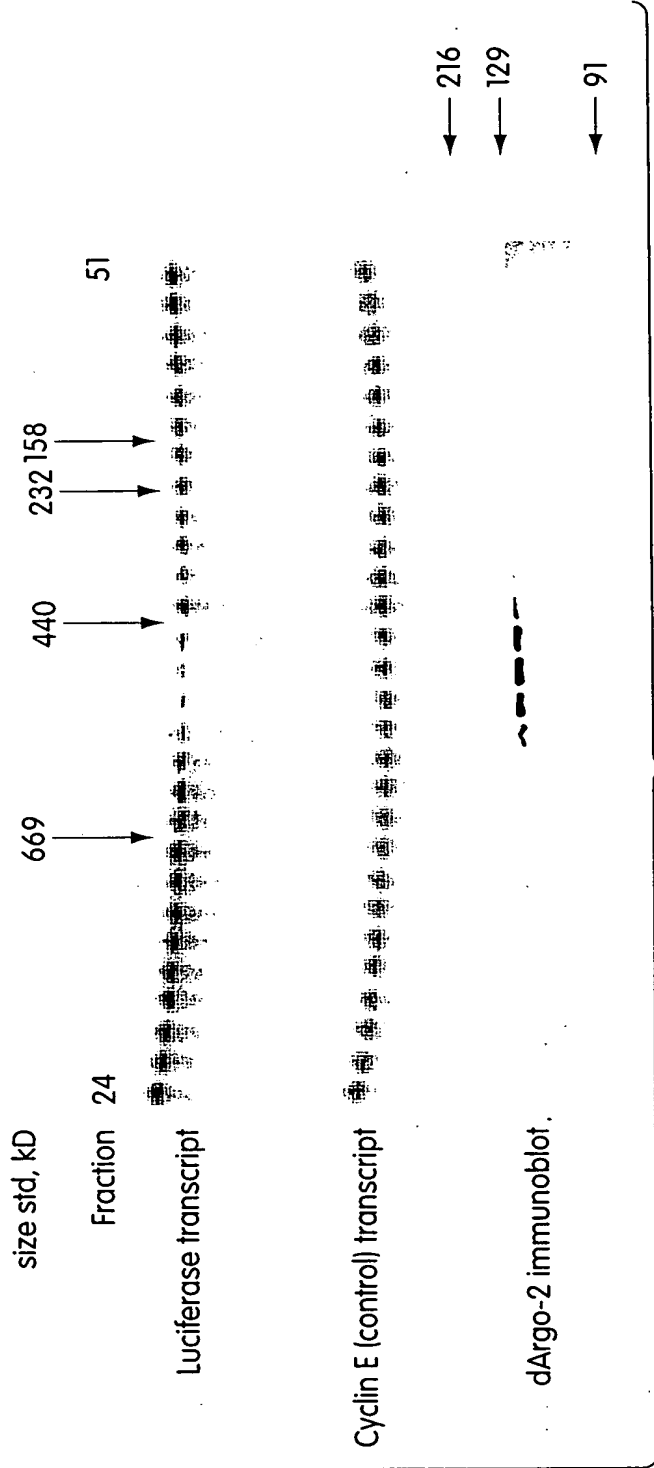


Fig. 10



11/31

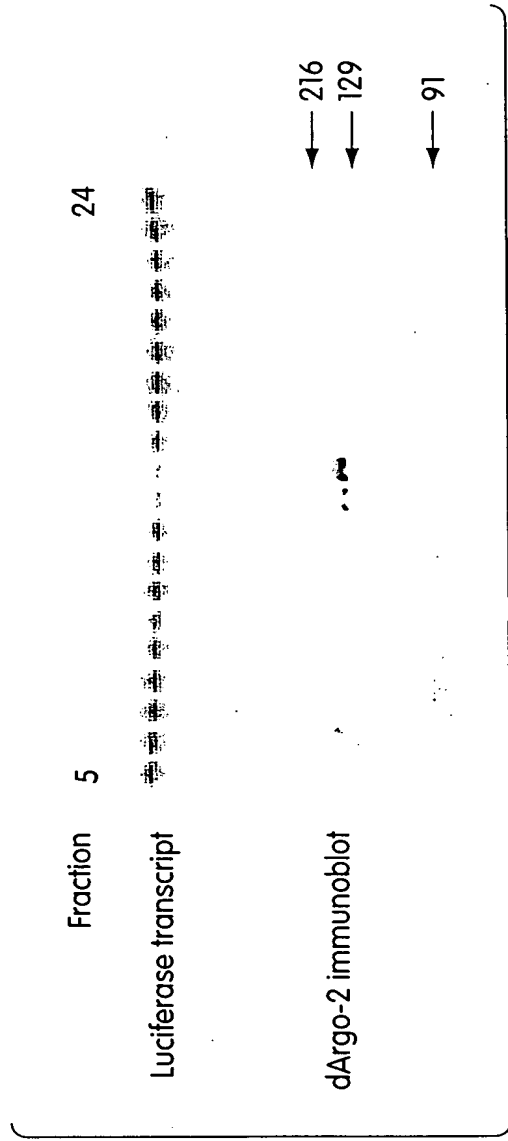


Fig. 11



12/31

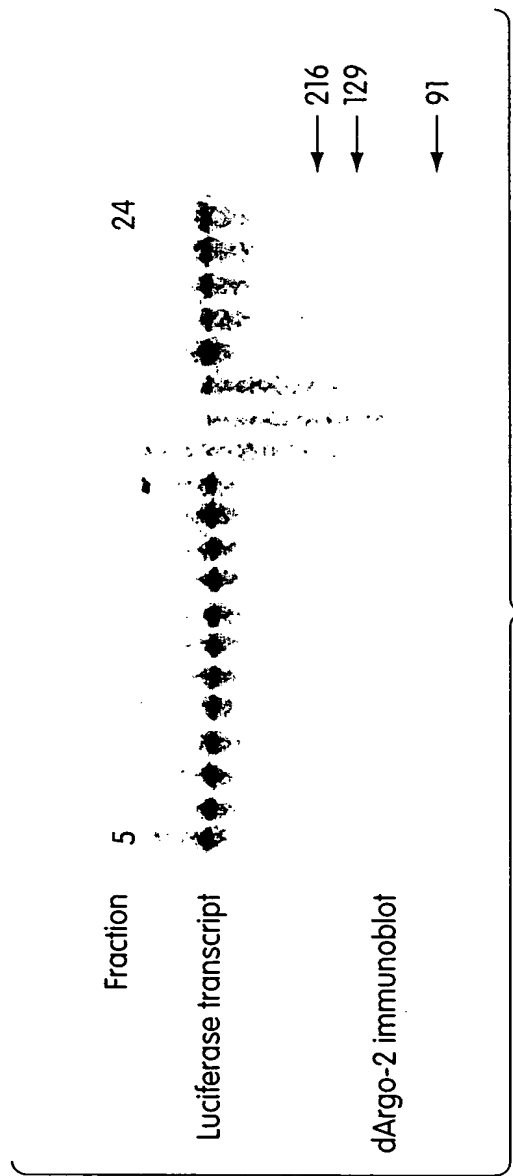


Fig. 12



13/31

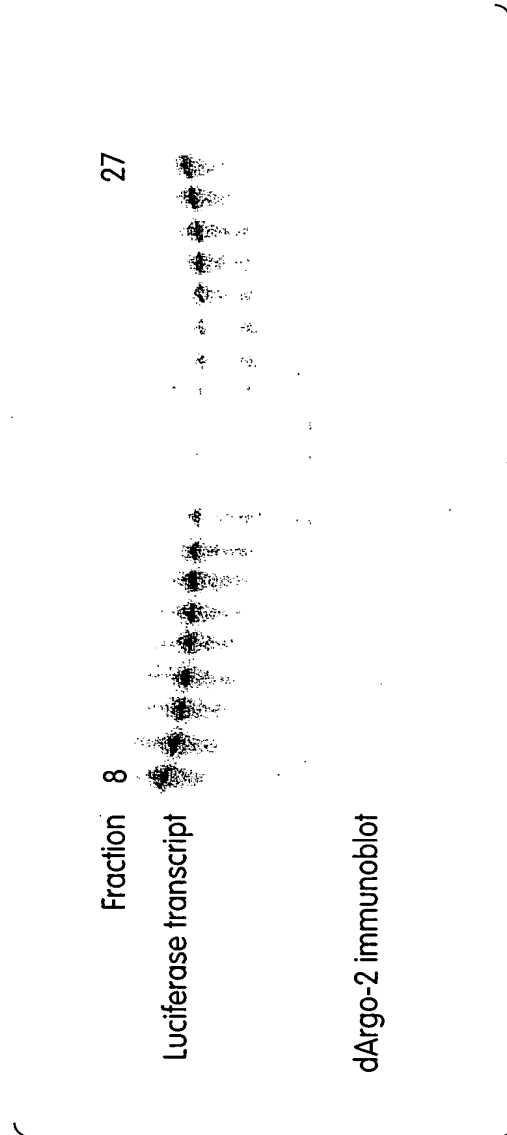


Fig. 13

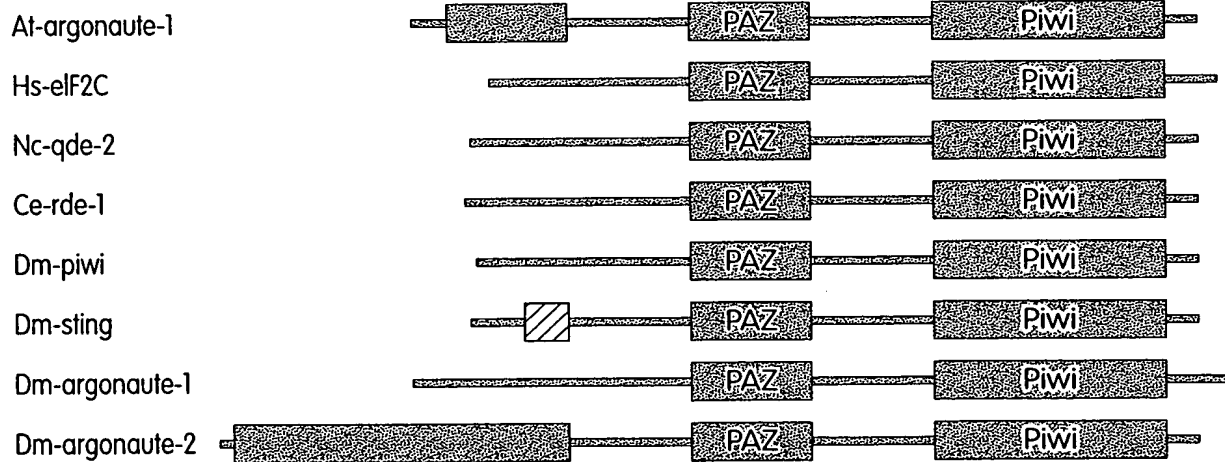


Fig. 14



15/31

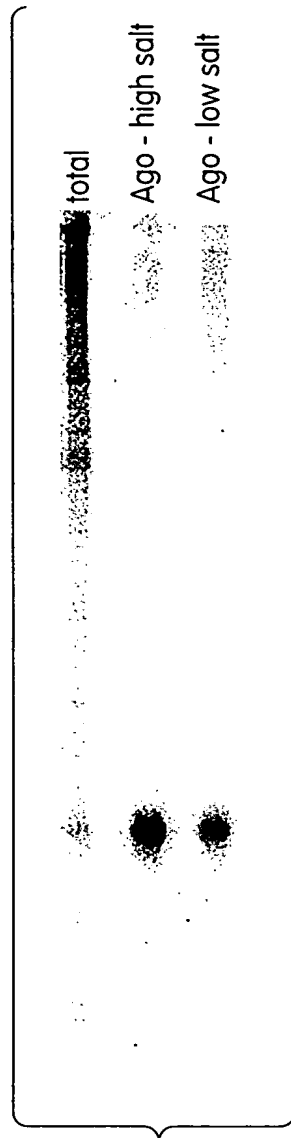


Fig. 15



16/31

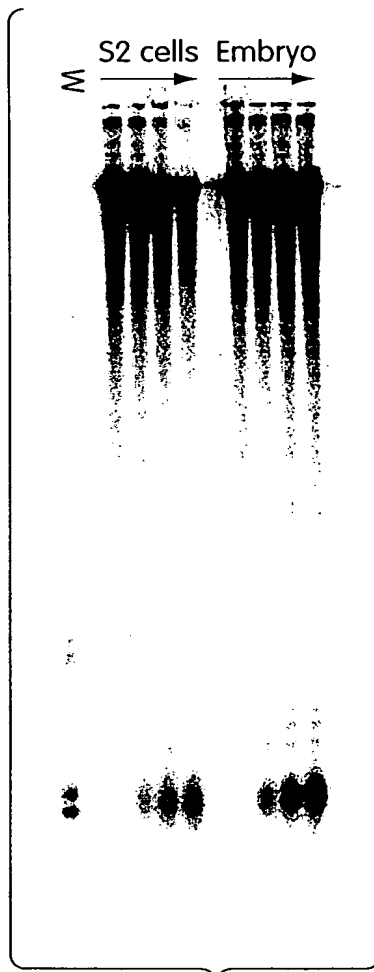


Fig. 16





17/31

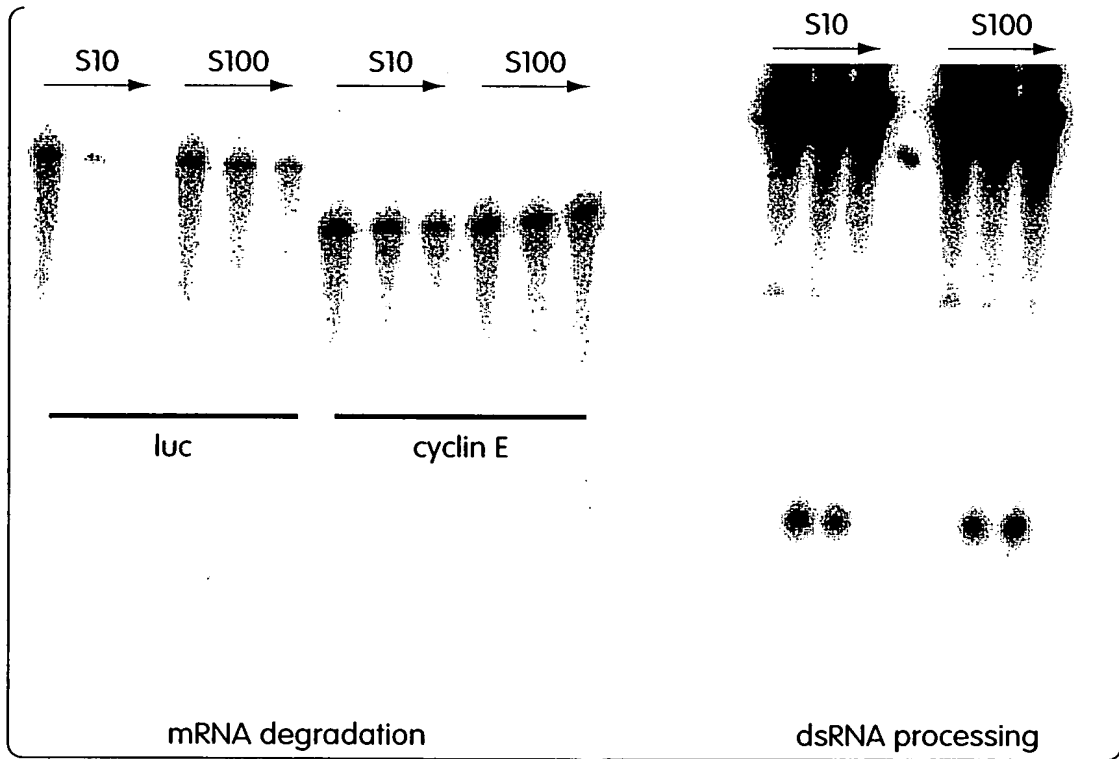


Fig. 17



18/31

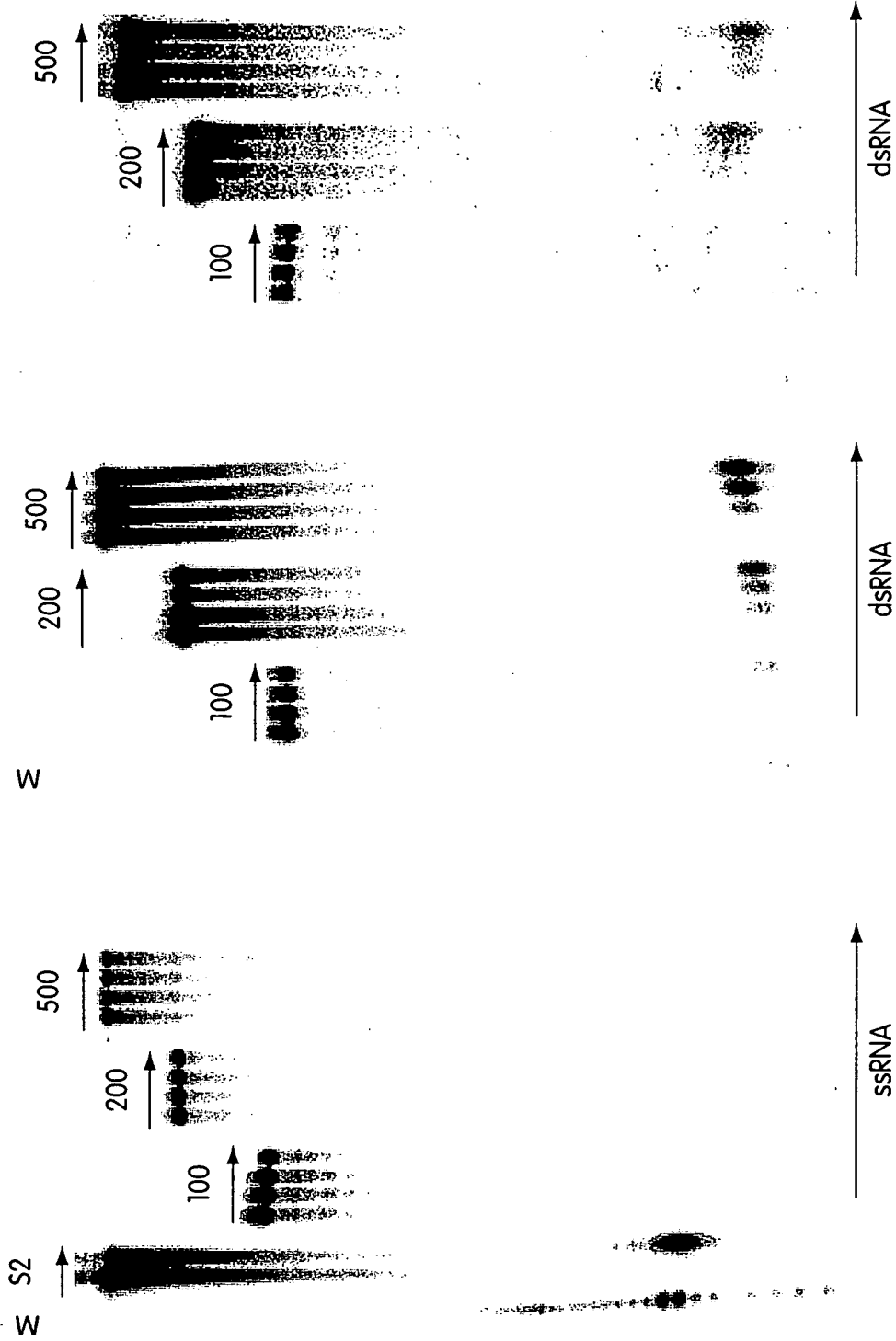
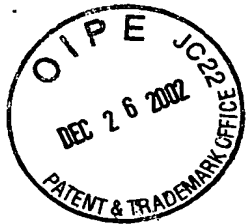
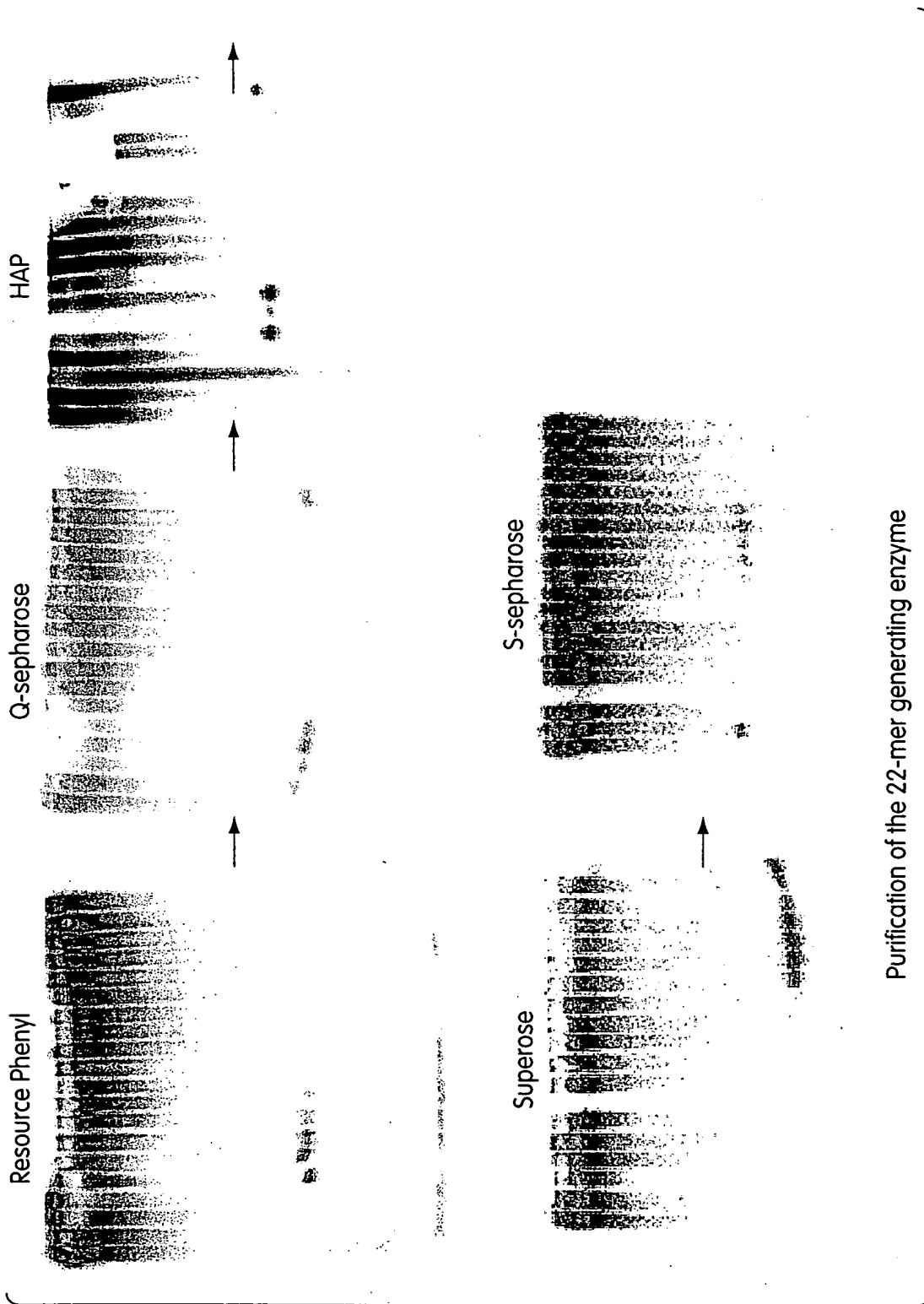


Fig. 18



19/31



Purification of the 22-mer generating enzyme

Fig. 19

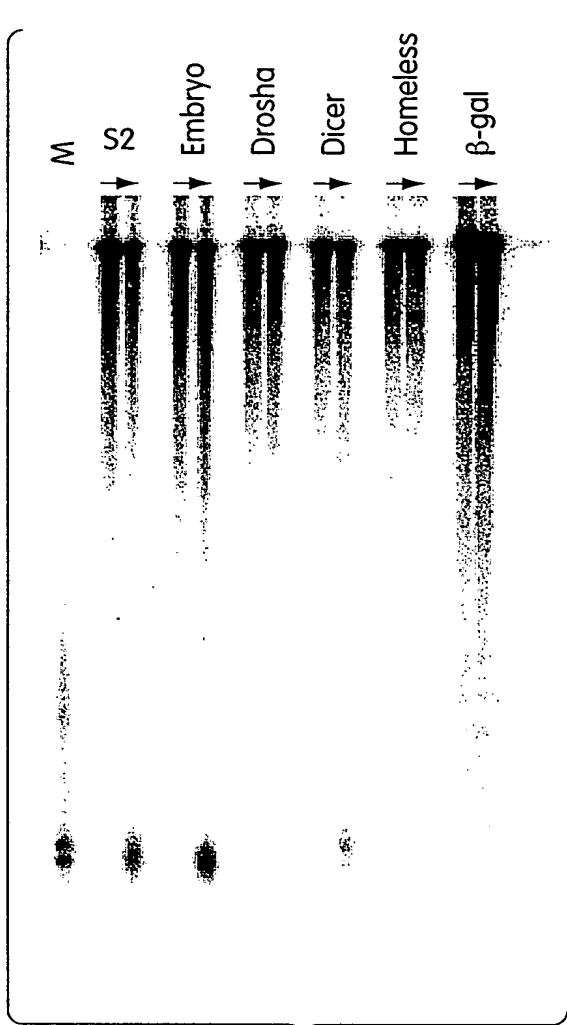


Fig. 20A

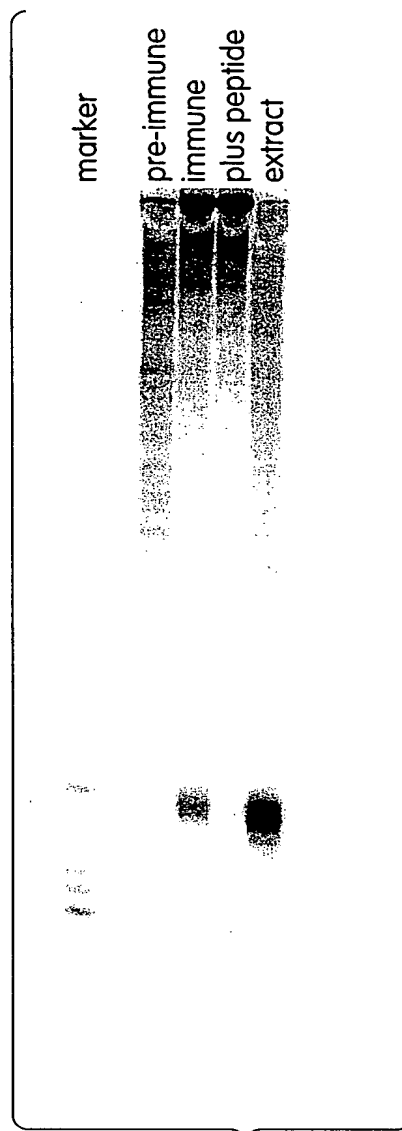


Fig. 20C

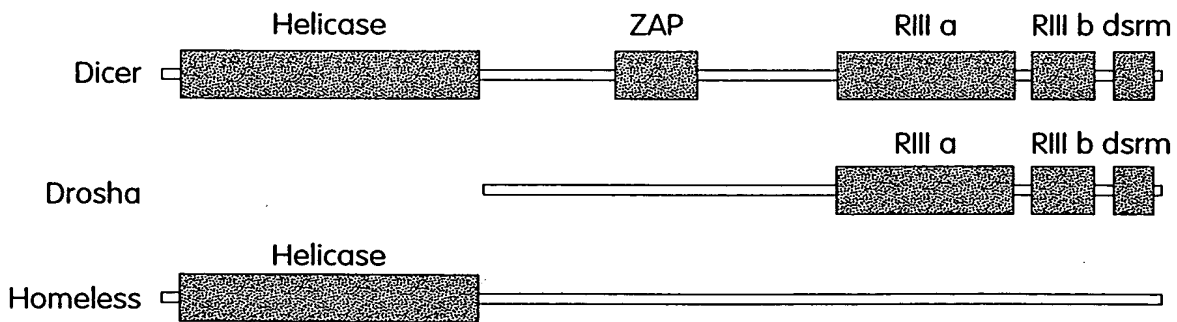


Fig. 20B



21/31

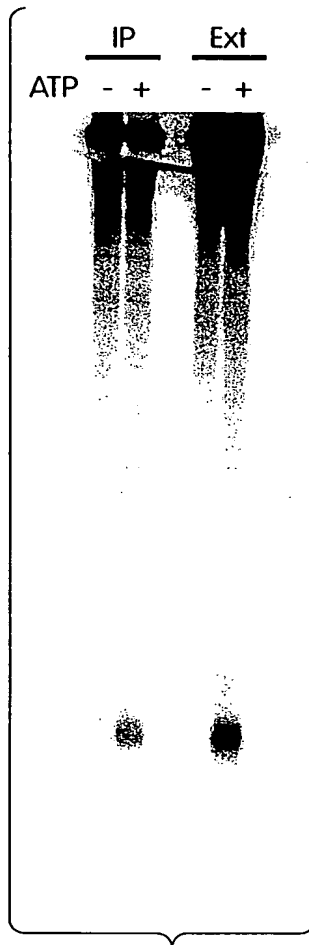


Fig. 21

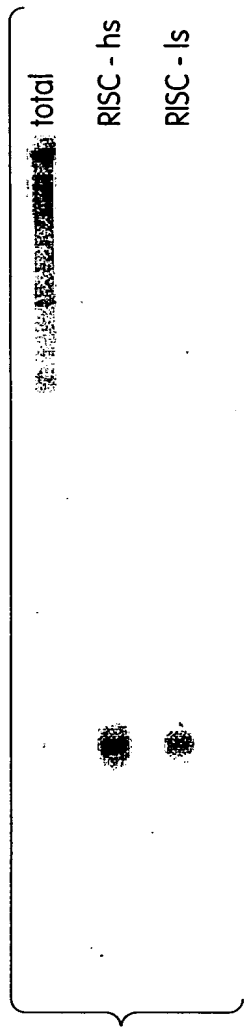


Fig. 22A

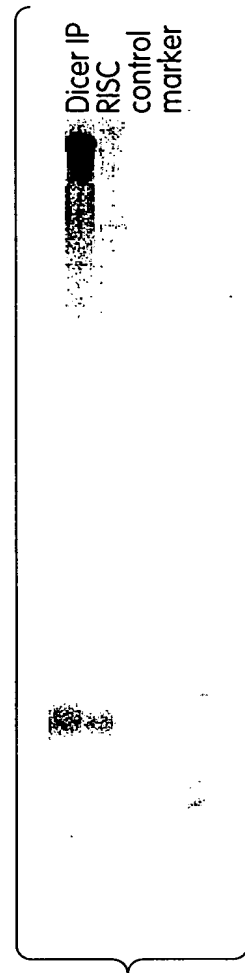


Fig. 22B



23/31

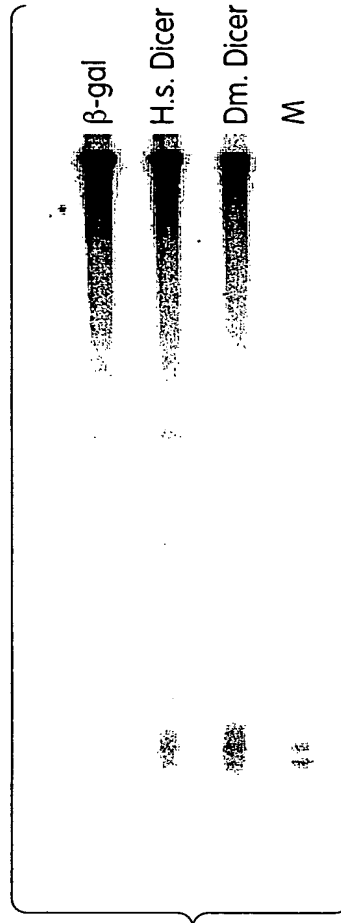


Fig. 23



MGKKDKNKKGGQDSAAAPQPQQQKQQQRQQQPQQLOQPQQLOQPQQLOQPQQQQQQ  
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GQQGGHQQGRQGDGGYQQRPPGQQGGHQQGRQGQEGGYQQRPPGQQGGHQQGRQG  
QEGGYQQRPSGQQQQGGHQQGRQGQEGGYQQRPPGQQGGHQQGRQGQEGGYQQRPSGQ  
QQGGHQQGRQGQEGGYQQRPSGQQQQGGHQQGRQGQEGGYQQRPSGQQQQGGHQQGRQGQ  
EGGYQQRPPGQQPNQTSQGGYQSRGPPQQQAAPLPLPPQAPAGSIKRGTIGKPGQVG  
INYLDDLKMPVSAYHYDVKIMPERPKKFYRQAFEQFRVDQLGGAVLAYDGKASCYS  
VDKPLNSQNPEVTVTRNGRTLRYTIEIK**ETGDSTIDLK**SLTTYMNDRI**FDKPMRAM**  
QCVEVVLASPCHNKAIRVGR**SFFKMSDPNNRHELDDGYEALVGLYQAFMLGDRPFLNV**  
DISHKSFPISMPIEYLER**FSLKAKINNTTDL****DYSRR**FLEPFLRGINVVYTPPQSFQS  
APRVYRVNGLSR**APASSETFEHDKK**VTIASVFHSRNYPLKFPQLHCLNVGSSIKSIL  
LPIELCSIEEGQALNRKDQATQVANMIKAYAATSTNVKRKIMNLLQYFQHNLDPTR  
FGIRIANDFIVVSTRVLSP**PQVEYH**SKRFTMVKNQSWRMDGMK**FLEPKPK**AHKCAVLY  
CDPRSGRKMNYTQLNDFGNLIISQKAVNISLSDVITYRPF**TDDERSL**DTIFADLKRS  
QHDLAIVII**IPQFRISY**DTIKQK**AELQHGIL**TQCIKQFTVERKCNNQ**TIGNILLK**INSK  
LNGINHKKDDPRLPMMKNTMYIGADVTHPSPDQREIPSVVGVAASHDPYGASYNMQY  
RLQGALEEI**EDMFSIT**LEHLRVYKEYR**NAYPDH**IYYRDG**VSDGQFP**KIKNEELRCI  
KQACDKV**GCKPKICCV**IVVKRHHTR**FFPSGDVTT**SNKFNNVD**PGTVVDR**TIVHPNEMQ  
FFMVSHQ**AIQGTAKP**TRVIENTGNLDIDLLQQLTYNL**CHMFPRC**NRSVSY**PAPAYL**  
AHLVAARGR**VYLTGTNR**FLDLKKEYAKRTIVPE**FMKKNPM**YFV

Fig. 24





25/31

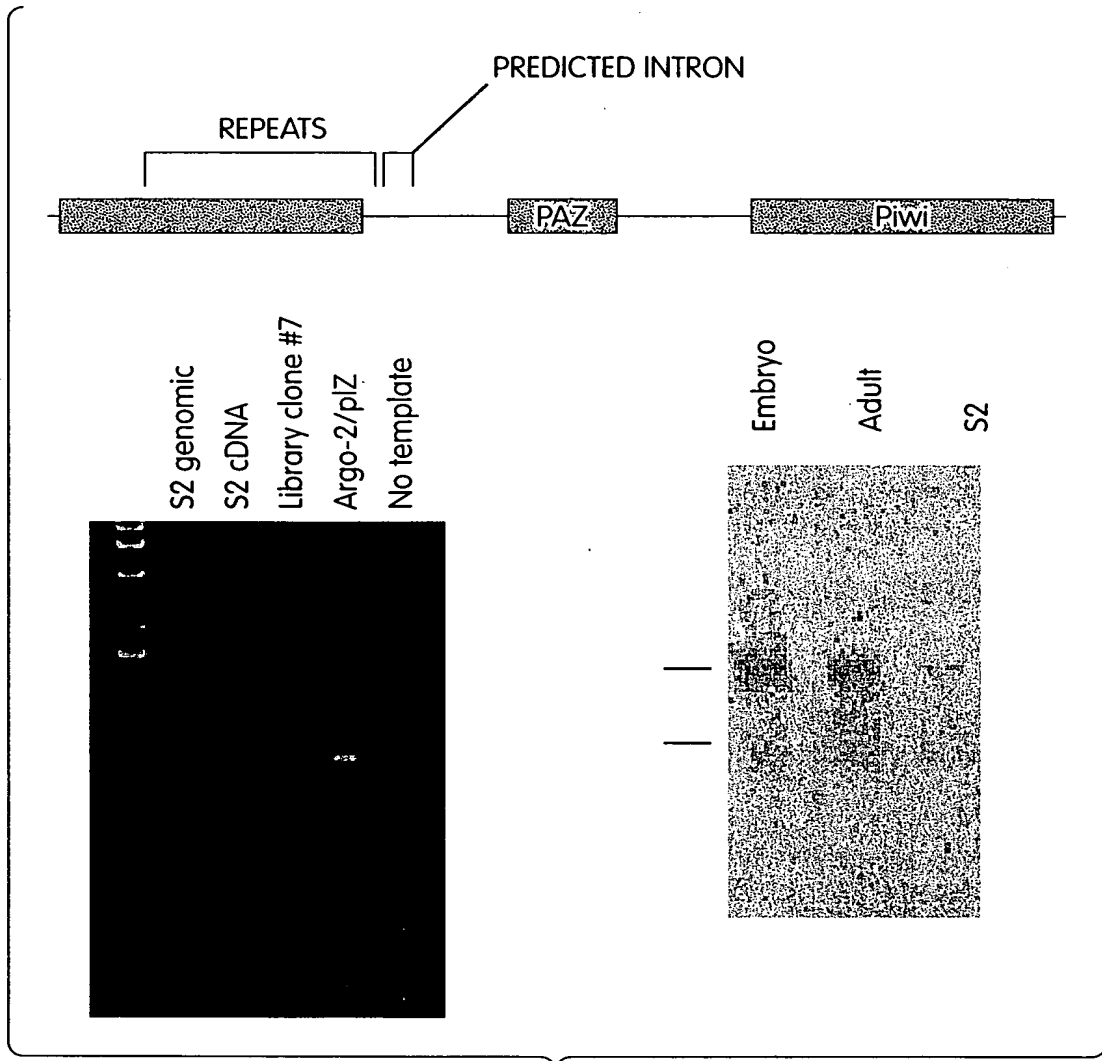


Fig. 25



26/31

untransfected  
hDicer transfected  
Embryo extract

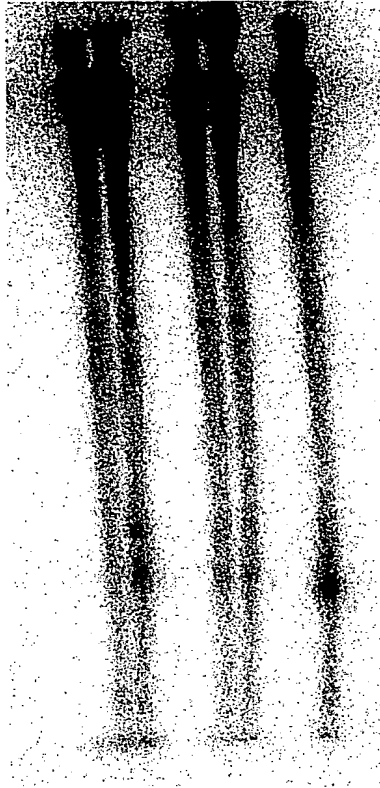


Fig. 26



27/31

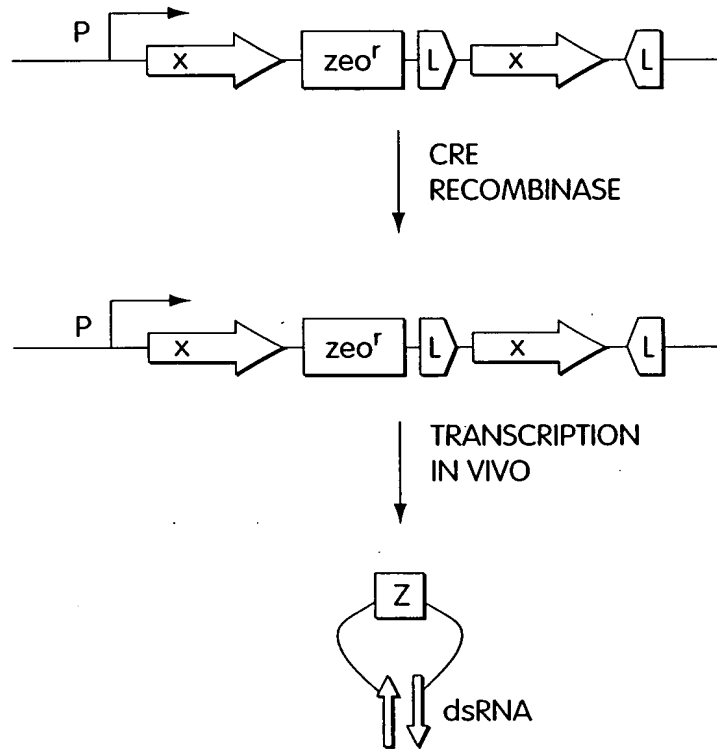


Fig. 27



28/31

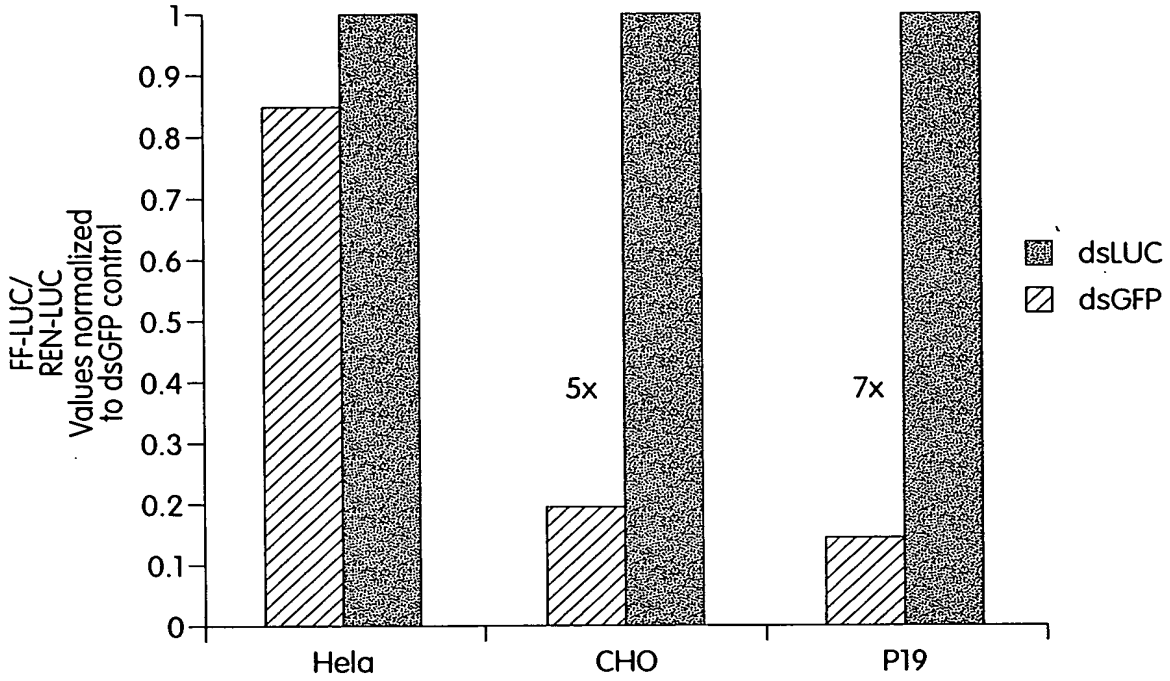


Fig. 28

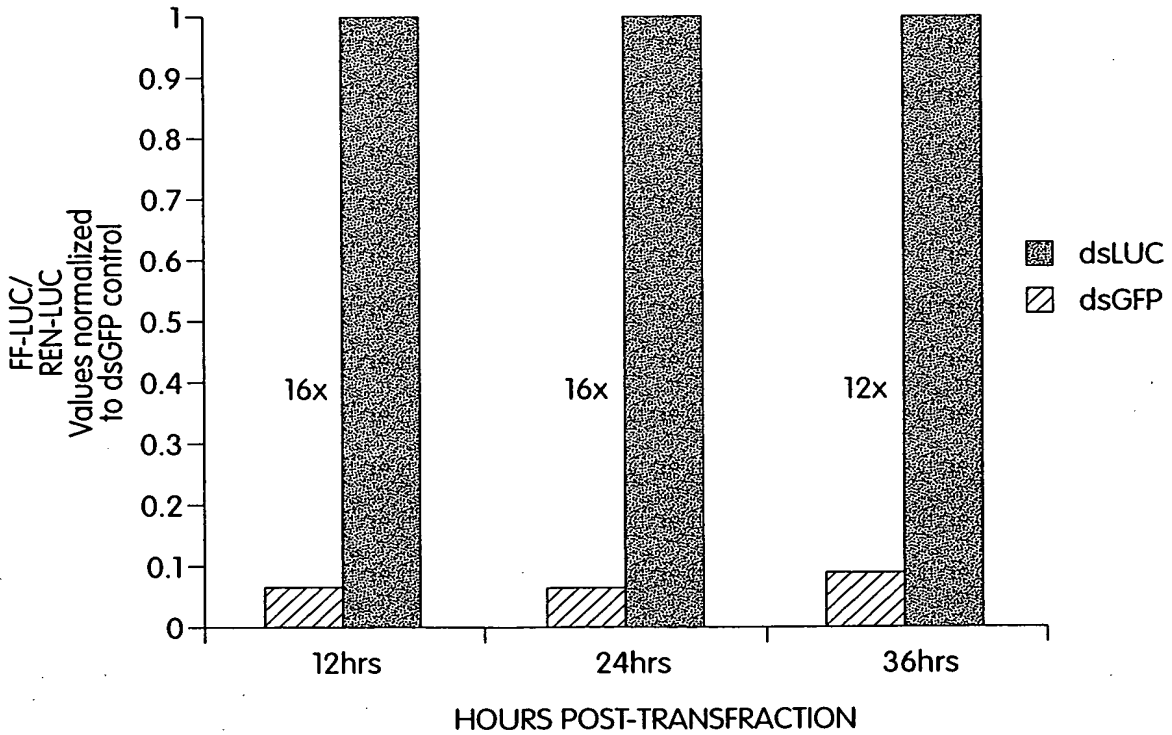


Fig. 29



29/31

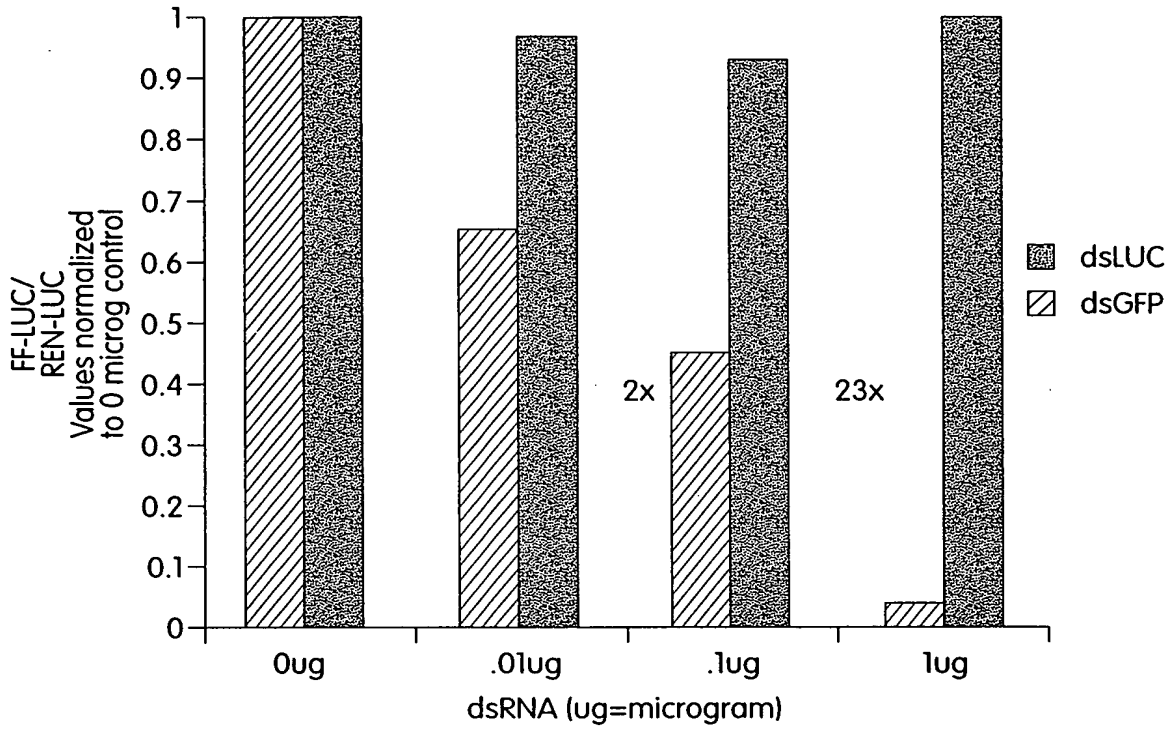


Fig. 30

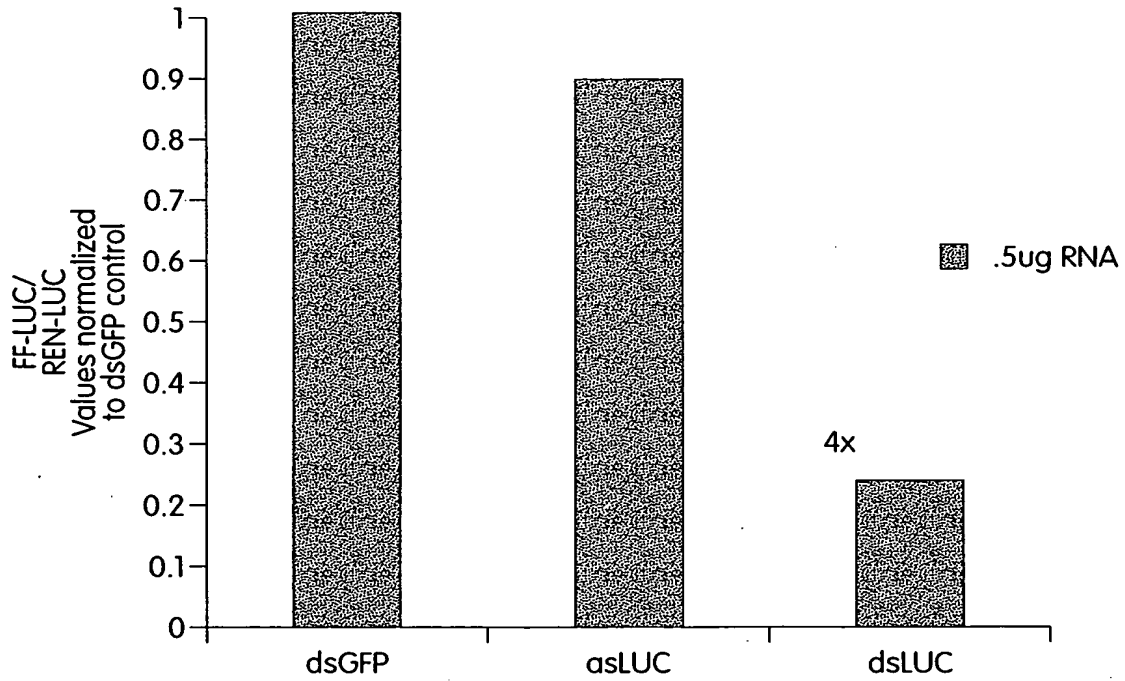


Fig. 31

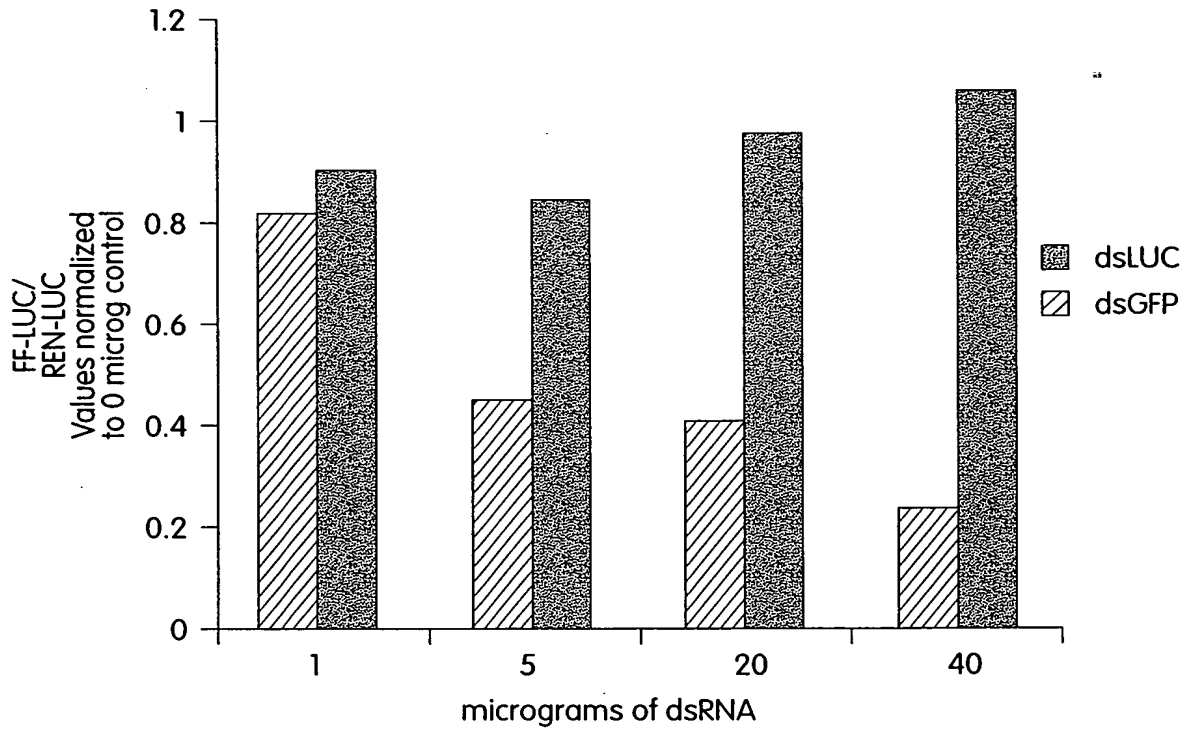


Fig. 32

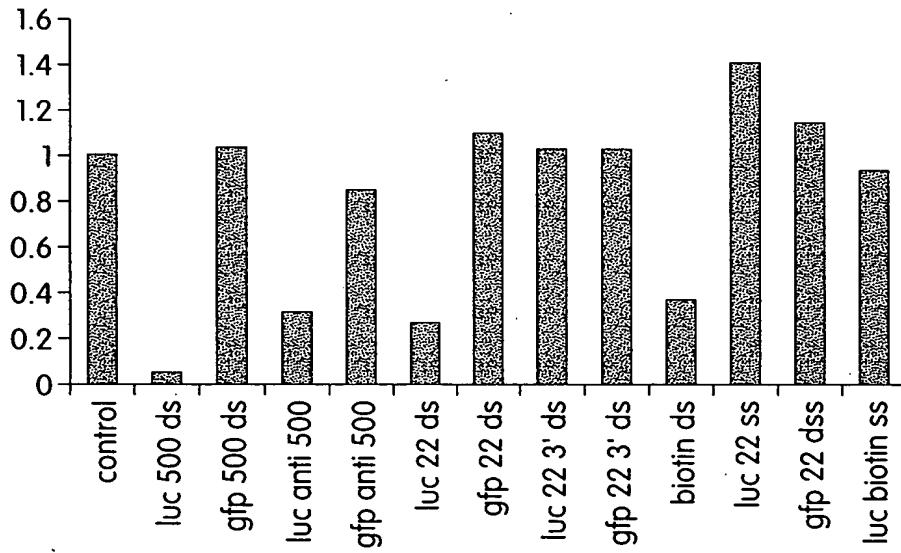


Fig. 33